

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number  
**WO 2005/062032 A1**

- (51) International Patent Classification<sup>7</sup>: **G01N 27/447**, B01D 57/02
- (21) International Application Number:  
PCT/SE2004/001872
- (22) International Filing Date:  
15 December 2004 (15.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0303581-3 23 December 2003 (23.12.2003) SE
- (71) Applicant (*for all designated States except US*): **AMERSHAM BIOSCIENCES AB** [SE/SE]; Björkgatan 30, S-751 84 Uppsala (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **BJELLQVIST, Bengt** [SE/SE]; Björkgatan 30, S-751 84 Uppsala (SE). **BUSSON, Philippe** [FR/SE]; Björkgatan 30, S-751 84 Uppsala (SE). **OLSSON, Ingmar** [SE/SE]; Björkgatan 30, S-751 84 Uppsala (SE).
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: NOVEL USE OF POSITIVELY CHARGED SUPPORT

(57) Abstract: The present invention relates to a novel use of a positively charged support, namely as a sample loading support for loading samples onto an IPG (Immobilised pH gradient) gel. The support or paper is provided with positively charged groups, such as cation groups, and is used to load samples from the cathode side of the IPG gel. Furthermore, the invention relates to a kit comprising a positively charged sample application support as above and an IPG gel, preferably a pre-swollen RTG gel comprising an acidic pH-interval.

WO 2005/062032 A1